



1ST SEM. 2008/2009

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME: BACHELOR OF SCIENCE IN AGRONOMY
YEAR 4 AND BACHELOR OF SCIENCE IN
HORTICULTURE YEAR 4**

COURSE CODE: HORT 402

TITLE OF PAPER: VEGETABLE PRODUCTION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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BY THE CHIEF INVIGILATOR**

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

Question 1

Discuss the contribution of vegetables and root crops to

- a) human nutrition [13 marks]
- b) your country [12 marks]

[25 marks]

Question 2

- a) Legumes are important in a vegetable production system. Discuss this statement [10 marks]
- b) Discuss cultural and climatic requirements for successful production of :
 - (i) pea [7 marks]
 - (ii) bean [8 marks]

[25 marks]

Question 3

- a) Discuss physiological disorders of tomato (*Lycopersicon esculentum*) fruit and ways of alleviating them. [13 marks].
- b) Discuss factors affecting bulbing in onion (*Allium cepa*) [12 marks]

[25 marks]

Question 4

- a) Describe physical and chemical characteristics of any three (3) traditional leaf vegetables [12 marks]
- b) Discuss the importance of traditional vegetables in alleviating HIV and AIDS symptoms [13 marks]

[25 marks]

Question 5

Cabbage (*Brassica oleracea* var capitata) is one of the most widely used vegetables. With your country in mind discuss its agro-climatological requirements for its successful production.

[25 marks]